

The Manufacturing Institute

Brent Weil

Senior Director, Education and Workforce

Building Pathways to Advanced Manufacturing Careers



NAM-Endorsed Manufacturing Skills Certification System

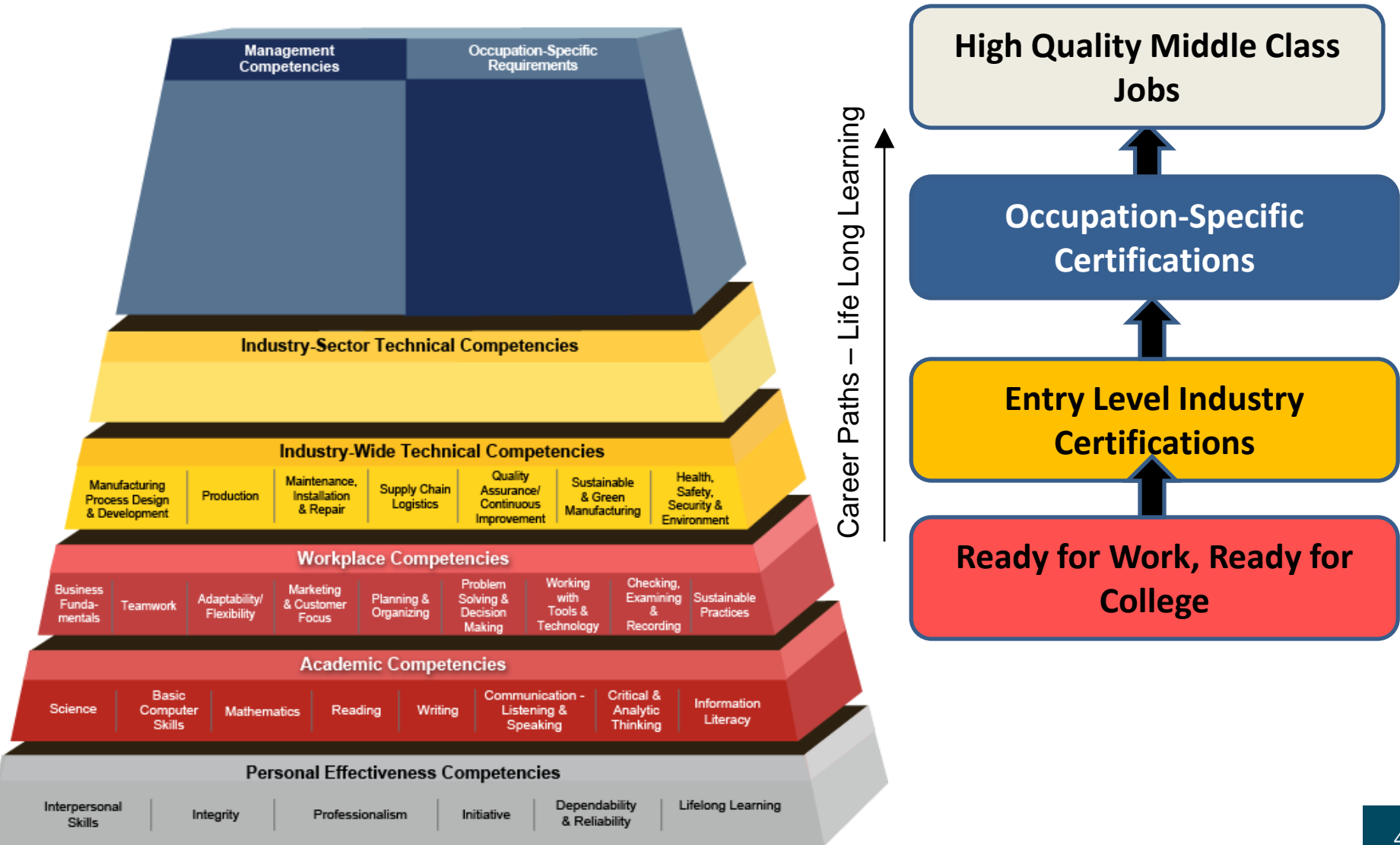
- Competency-based learning pathways that are standards-based, performance-based, and proficiency-based
- Interim nationally-portable, industry recognized credentials validating skills for high quality middle-class manufacturing jobs
- A “lifelong learning” approach: multiple points of re-entry into education and work leading to career and higher education advancement

The NAM-Endorsed Manufacturing Skills Certification System



- Aligned to the Manufacturing Competency Model
- Nationally Portable
- Third-Party Validated (ISO/ANSI Preferred)
- Industry-Driven
- Data Based and Supported

Advanced Manufacturing Competency Model



Models

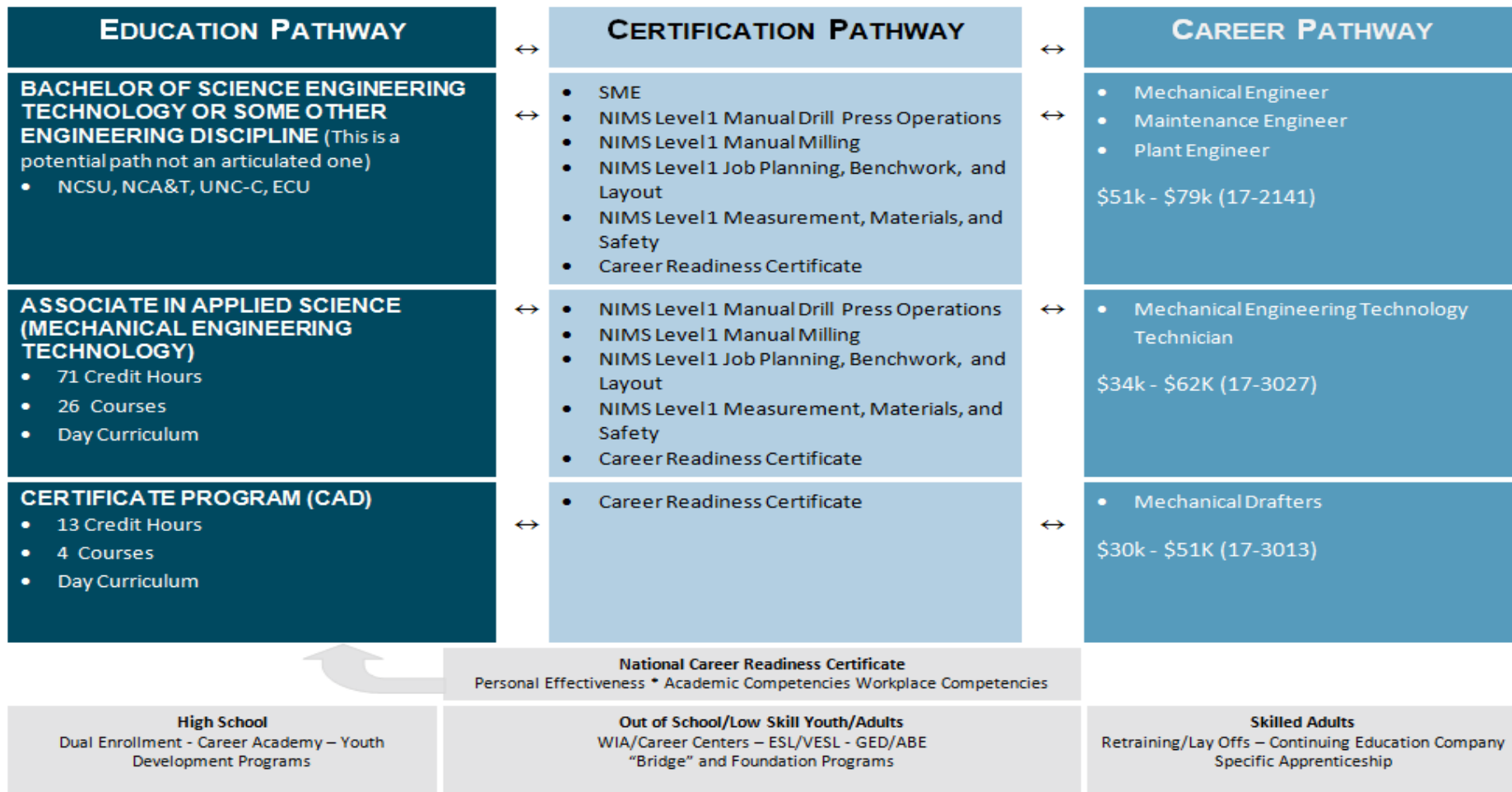
“If you look at how community colleges are organized... developmental education sits in one silo while non-credit workforce training sits in another silo. To achieve real solutions, we have to be much more integrated in how we deploy these assets.

*Roderick Nunn,
Vice Chancellor, St. Louis Community
College*

- High school to community college
- ABE/bridge programs to credit certificate/diploma/degree
- Continuing education to for-credit
- Community college integration into current for-credit programs of study
- Pre-apprenticeship to apprenticeship
- Community college to four-year institutions

ALIGNING EDUCATION, CERTIFICATION AND CAREER PATHWAYS

*For the Mechanical and Engineering Fields at
Forsyth Technical Community College, Winston Salem, NC*



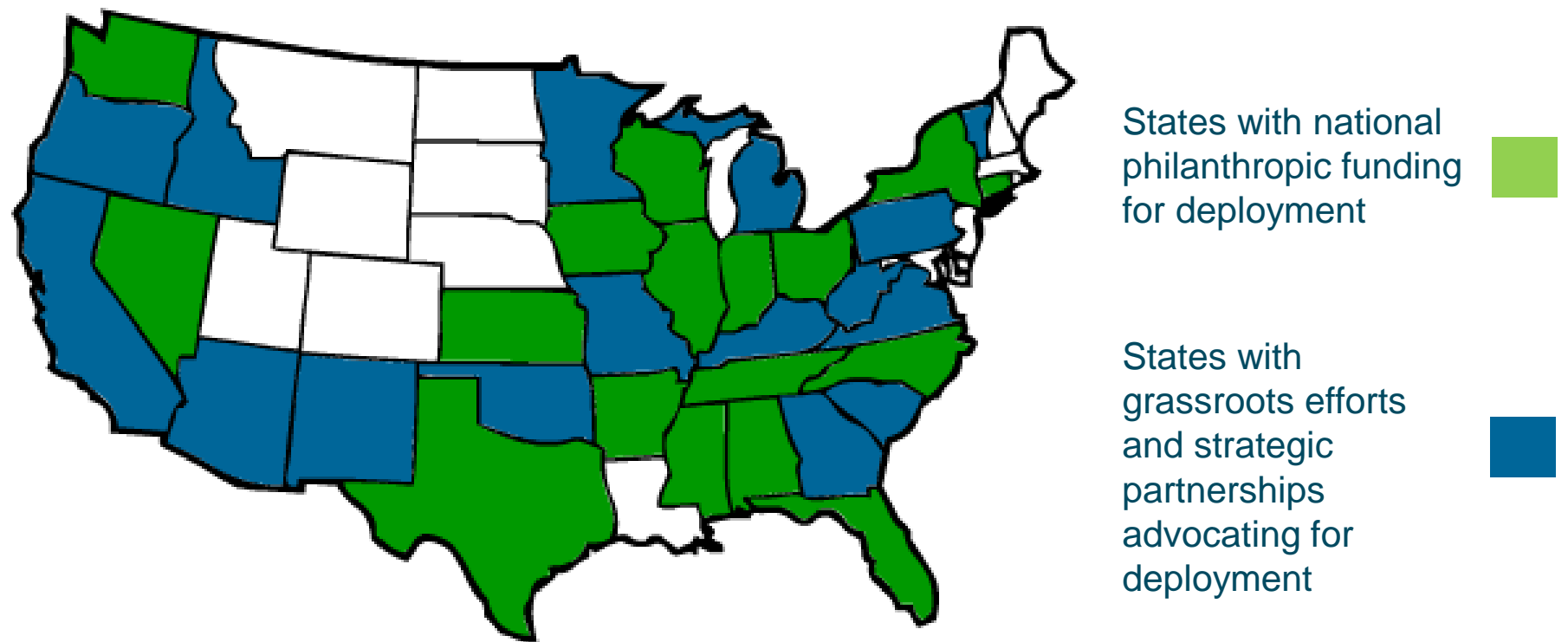
Accelerated Skills Training

- Accelerated Program for NCRC and NIMS Certifications;
- Launched in Minnesota at two colleges;
- Designed to meet specific, immediate demand for CNC operators;
- Expanded to Nevada.



RIGHT
SKILLS
NOW
FOR MANUFACTURING

Deployment and National Scope



Goal to Credential **500,000** Manufacturing Workers by **2016**

Contact

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